

ABSTRACT

"A dispensing method and assembly for liquid droplets."

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(Fig. 3)

A dispensing assembly for liquid droplets that includes a dispenser connected to a liquid carrying pipe which in turn is connected to a source of pressurized liquid.

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The dispenser has an elongated body member having a main bore connected to the liquid carrying pipe. At the other end, the main bore has a valve seat that is connected to a nozzle having a nozzle bore terminating in a dispensing tip. An elongated valve boss of ferromagnetic material covered with a soft polymer is mounted in the main bore and has a cross-sectional area less than that of the main

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bore. A separate valve boss actuating coil assembly has upper and lower coils that are separate from the main body that can be unplugged from both coils and from the liquid carrying pipe. As such, the main body can be a disposable member.